

GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED AUGUST 2001 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2001, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.
2. THE CONTRACTOR SHALL GIVE TWO (2) WEEKS NOTICE TO THE PROPERTY OWNER WHEN ANY FIXTURE, SHRUB OR OTHER OBJECT MUST BE REMOVED FROM THE RIGHT OF WAY OR EASEMENT AREA. IF THE OWNER HAS NOT ATTEMPTED TO SALVAGE THIS PROPERTY, THE CONTRACTOR SHALL REMOVE IT WITHOUT OBLIGATION. COMPENSATION SHALL BE INCIDENTAL TO THE CONTRACT.
3. THE ENDS OF ALL CURBS SHALL BE DEPRESSED FLUSH WITH THE PAVEMENT AT A RATIO OF TWELVE TO ONE (12:1) UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL PROVIDE AND INSTALL PVC SLEEVES (4 INCH INSIDE DIAMETER MINIMUM, 6 INCH INSIDE DIAMETER MAXIMUM) IN PROPOSED CONCRETE SIDEWALKS, ISLANDS, AND MEDIANS FOR FUTURE TRAFFIC SIGN POSTS AS DIRECTED BY THE ENGINEER. THE LOWER END OF THE SLEEVE SHALL SIT ON THE TOP OF THE SUBBASE. THE COST SHALL BE INCIDENTAL TO THE CONTRACT.
5. SITE REVIEWER. AN EROSION CONTROL SITE REVIEWER SHALL BE A PERSON FROM THE CONTRACTOR'S STAFF ASSIGNED TO EROSION AND SEDIMENT CONTROL IMPLEMENTATION AND MAINTENANCE AND SHALL BE REQUIRED ON SPECIFIC PROJECTS. THE NAME AND DNREC CERTIFICATION NUMBER OF EACH SITE REVIEWER SO REQUIRED SHALL BE SUBMITTED TO THE DEPARTMENT AT THE TIME OF BID. THE SITE REVIEWER REQUIREMENTS IN EFFECT ON THIS PROJECT SHALL BE AS MARKED WITH AN (X) BELOW:

EROSION POTENTIAL FOR THIS PROJECT	SITE REVIEWER REQUIREMENT
() INSIGNIFICANT	NONE
() MINOR	CONTRACTOR CERTIFICATION COURSE TRAINING ONLY. SEE 1. BELOW
(X) MEDIUM	AT THE TIME OF AWARD OF THE CONTRACT, EITHER THE SUPERINTENDENT OR A SEPERATE INDIVIDUAL FROM THE CONTRACTOR'S STAFF SHALL BE A CERTIFIED CONSTRUCTION REVIEWER (CCR), SEE 2. BELOW.
() MAJOR	SUPERINTENDENT AND INDIVIDUAL FROM CONTRACTOR'S STAFF SHALL BE CCR. SEE 3. BELOW.

1. AS DEFINED IN SECTION 13 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
2. AS DEFINED IN SECTION 12 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
3. ONE INDIVIDUAL FROM THE CONTRACTOR'S STAFF MUST BE A CCR AT THE TIME OF AWARD OF THE CONTRACT. THE SUPERINTENDENT MUST BECOME A CCR WITHIN ONE YEAR AFTER THE AWARD OF CONTRACT.
6. STAGING AREAS:
PROPER EROSION AND SEDIMENT CONTROL MEASURES AS DETERMINED BY THE ENGINEER SHALL BE INSTALLED IN ALL STAGING AREAS.
ALL AREAS USED BY THE CONTRACTOR FOR STAGING OPERATIONS SHALL BE FULLY RESTORED BY THE CONTRACTOR UPON COMPLETION OF THE PROJECT.
IF THE STAGING AREA IS PAVED, IT SHALL BE RESTORED TO ITS ORIGINAL CONDITION.
IF THE STAGING AREA IS UNPAVED, IT SHALL BE RE-GRADED, TOPSOILED, SEEDED AND MULCHED IN ACCORDANCE WITH DELAWARE STANDARD SPECIFICATIONS 732, 734 AND 735, FOR TOPSOIL, SEED AND MULCH RESPECTIVELY, TO THE SATISFACTION OF THE ENGINEER.
THE SEED SHALL ADHERE TO THE SPECIFICATIONS OF SECTION 734 FOR PERMANENT GRASS SEEDING - DRY GROUND.
ALL COSTS ASSOCIATED WITH RESTORATION OF THE STAGING AREA SHALL BE AT THE CONTRACTOR'S EXPENSE.
IF THE ENGINEER DETERMINES THAT A SATISFACTORY STAND OF GRASS DOES NOT EXIST AT THE TIME OF FINAL INSPECTION, ALL COSTS ASSOCIATED WITH RE-ESTABLISHING A SATISFACTORY STAND OF GRASS SHALL BE AT THE CONTRACTORS'S EXPENSE.

7. DISTURBED AREA: 26.5 AC.

CONSTRUCTION

	PAVING		INTEGRAL P.C.C.CURB AND GUTTER TYPE 1
	PAVING		P.C.C.CURB TYPE 1 &/OR 3
	PAVING		P.C.C.CURB TYPE 2
	P.C.C.SIDEWALK AT 4'		INTEGRAL P.C.C.CURB AND GUTTER TYPE 2
	P.C.C.SIDEWALK AT 6'		INTEGRAL P.C.C.CURB AND GUTTER TYPE 3
	BUTT JOINT		CURB (BY OTHERS)
	PAVEMENT PATCH		CURB IDENTIFIER
	RIPRAP		CURB OPENING
	DRAINAGE INLET		CURB ACCESS RAMP IDENTIFIER WITH TYPE NUMBER
	DRAINAGE INLET IDENTIFIER		CONCRETE SAFETY BARRIER
	MANHOLE		BARRIER IDENTIFIER
	MANHOLE IDENTIFIER		STEEL BEAM GUARDRAIL
	DRAINAGE PIPE & FLOW ARROW		GUARDRAIL END SECTION
	PIPE IDENTIFIER		GUARDRAIL IDENTIFIER
	FLARED END SECTION		METAL FENCE
	FLARED END SECTION IDENTIFIER		WOOD FENCE
	JUNCTION BOX		DO NOT DISTURB IDENTIFIER
	JUNCTION BOX IDENTIFIER		R/W MONUMENT IDENTIFIER
	CONVERT TO JB IDENTIFIER		RELOCATE BY CONTRACTOR
	UNDERDRAIN		ADJUST BY CONTRACTOR
	UNDERDRAIN IDENTIFIER		REMOVE BY CONTRACTOR
	UNDERDRAIN OUTLET STRUCTURE		RELOCATE BY OTHERS
	DITCH		ADJUST BY OTHERS
	BIOFILTRATION SWALE		REMOVE BY OTHERS

CONSTRUCTION PHASING

	STONE CHECK DAM		PORTABLE SEDIMENT TANK
	INLET SEDIMENT CONTROL		SILT FENCE
	PERIMETER DIKE SWALE		REINFORCED SILT FENCE
	TEMPORARY SWALE		SILT FENCE IDENTIFIER
	EARTH DIKE		STILLING WELL
	SAND BAG DIVERSION		SUMP PIT
	EROSION CONTROL FABRIC		DEWATERING BASIN
	SEDIMENT TRAP		SEDIMENT TRAP PIPE OUTLET
	TRAFFIC CONTROL PLASTIC DRUMS		TEMPORARY SLOPE DRAIN
	CONSTRUCTION WARNING SIGNS		SAND BAG DIKE
	EXISTING CONTOURS		TYPE 3 BARRICADE
	PROPOSED CONTOURS		TRAFFIC FLOW ARROW
	CRASH CUSHION (SAND BARRELS)		PORTABLE CONCRETE SAFETY BARRIER
			STABILIZED CONSTRUCTION ENTRANCE

SIGNING, STRIPING AND CONDUITS

	PAVE		CONDUITS UNDER PAVEMENT
	SOD		CONDUITS IN TRENCH
			CONDUIT JUNCTION WELL
			PAVEMENT MARKINGS
			LANE STRIPING
			TRAFFIC SIGN AND POST (BY STATE FORCES)
	RW		PROPOSED RIGHT-OF-WAY
	RW&DA		PROPOSED RIGHT OF WAY AND DENIAL OF ACCESS
	DA		PROPOSED DENIAL OF ACCESS
	PE		PROPOSED PERMANENT EASEMENT
	TCE		PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	100		HISTORIC R/W CENTERLINE OR BASELINE
	100		PROPOSED RIGHT OF WAY BASELINE
			EXISTING RIGHT-OF-WAY LINE
			EXISTING PROPERTY LINE
			R/W MONUMENT

RIGHT OF WAY

PROPOSED LANDSCAPING

	CONIFEROUS TREE
	SHRUB
	DECIDUOUS TREE

MISCELLANEOUS SYMBOLS

	LOC	LIMIT OF CONSTRUCTION
		NORTH ARROW
	CZ	CLEAR ZONE
	100	CONSTRUCTION BASELINE
		PROPOSED LUMINAIRE
	W 2	IMPACT AREA IDENTIFIER

UTILITIES

	VER	VERIZON DELAWARE TELEPHONE (UNDERGROUND)
	CPD-E	CONNECTIV POWER DELIVERY (ELECTRIC-UNDERGROUND)
	CPD-G	CONNECTIV POWER DELIVERY (GAS)
	NCCSS	NEW CASTLE COUNTY SANITARY SEWER (GRAVITY)
	AWC	ARTESIAN WATER COMPANY
	CATV	COMCAST CABLE TELEVISION
	DDOT	DELDOT ELECTRIC/COMMUNICATIONS
	ATT	AT&T (UNDERGROUND)

NOTES & LEGEND

SYMBOLS SHOWN ON THIS SHEET DO NOT NECESSARILY APPEAR IN THIS CONTRACT.

CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
22-III-02	NEW CASTLE	SEE TITLE SHEET	3	180
AIRPORT ROAD / CHURCHMANS ROAD INTERSECTION IMPROVEMENTS				
REVISIONS				

EXISTING DETAIL

	SURVEY TRAVERSE POINT		CURB
	POINT OF INTERSECTION - TANGENTS		INTEGRAL CURB & GUTTER
	POINT OF TANGENCY & CURVATURE		FLEXIBLE PAVEMENT EDGE
	SURVEY TIE POINT LOCATION		RIGID PAVEMENT EDGE
	BENCH MARK LOCATION		STEEL BEAM GUARD RAIL
	SOIL BORING LOG - PROFILE VIEW		WOOD POST AND CABLE GUARD RAIL
	SOIL BORING LOCATION - PLAN VIEW		STORM DRAINAGE SURFACE INLET
	SOIL TYPE AND BOUNDARY LINE		STORM DRAINAGE MANHOLE
	MARSH OR WET AREAS LAWN		STORM DRAINAGE JUNCTION BOX
	SMALL BUSH OR ORNAMENTAL SHRUB		EXISTING DRAINAGE PIPE AND FLOW ARROW
	CONIFEROUS TREE - 6" AND LARGER		DRAINAGE PIPE HEADWALL
	DECIDUOUS TREE - 6" AND LARGER		EROSION CONTROL STONE
	HEDGEROW OR THICKET		STREAM, DITCH OR POND BOUNDARY
	WOODS LINE		STREAM FLOW DIRECTION ARROW
	TREE STUMP		TRAFFIC CONTROL SIGN POST
	UTILITY TEST HOLE LOCATION		TRAFFIC SIGNAL SUPPORT BASE
	GAS MANHOLE		TRAFFIC SIGNAL CONTROL BOX AND/OR BASE
	SANITARY SEWER MANHOLE		TRAFFIC SIGNAL CONDUIT JUNCTION WELL
	TELEPHONE MANHOLE		ELECTRIC TRANSFORMER
	ELECTRIC MANHOLE		CABLE TELEVISION DISTRIBUTION BOX
	FIRE HYDRANT		CONCRETE MONUMENT OR PROPERTY MARKER
	TELEPHONE BOOTH		PROPERTY LINE MARKER
	UTILITY POLE GUY WIRE ANCHOR		STONE PILLAR - CONC. BLOCK OR POURED
	GAS VALVE		STRAND OR WOVEN WIRE FENCE
	WATER VALVE		WOODEN FENCE
	WOOD POLE		LUMINAIRE SUPPORT POLE AND/OR BASE
	WATER METER		SERVICE STATION FUEL PUMP
	SANITARY SEWER VENT		WELL HEAD
	SANITARY SEWER SURFACE FIXTURE		SEPTIC DRAIN FIELD
	TELEPHONE TEST POINT		STONE WALL
	GAS METER		BLOCK WALL
	POLE MOUNTED LUMINAIRE		RAILROAD TRACKS
	RESIDENTIAL STREET LAMP AND POST		DELINEATED WETLANDS
	FLAG POLE		
	MAIL BOX		